



SAPTHAGIRI COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

February-2017

Vol-1 Issue -1

EEE MAGAZINE

Power is Knowledge...Knowledge is Power.

VISION

➤ To make electrical and electronics engineering from SCE to leave their footprints as best engineer globally and to be the leaders in their chosen field of work

MISSION

To impart knowledge to the students of electrical and electronics engineering with abilities to excel in their profession and contribute to the growth of nation and service to the society

Statement Of PEO's

Graduate Engineers will be able to:

PEO1: Apply scientific, Mathematics and Engineering fundamentals gained to comprehend,analyse,design and create products and solutions for real life problems

PEO2: Contribute to industrial services and government organisations by applying their skills gained through formal education.

PEO3: Work on emerging technologies with professional communities,higher education ever developing careers to strengthen human values and social responsibilities to contribute towards society.

PEO4: Adopt professional and ethical attitude for effectively resolving societal problems through multidisciplinary approach

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PRINCIPAL MESSAGE

It is a matter of great pride and satisfaction for SAPTHAGIRI COLLEGE OF ENGINEERING to bring out 2016-17 News Letter “EEE MAGAZINES” released from the Department of Electrical and Electronics. The College has made tremendous progress in all areas- academic, non-academics, capacity building relevant to staff and students. The ways we teach and the ways our students learn are unique and creative.



Consistently, we took into our deficiencies and transform us to an efficient builder of social change. Many would confirm that the College has substantially contributed to the process of National Development by providing quality education and thereby enabling the students to become globally competent engineers. Education is not an act of process of growth. We have excelled in every initiative that we undertook and we have stood together in facing the challenges in realizing quality education. I congratulate the Editorial Board of this News Letter who have played wonderful role in accomplishing the task in Record time. I express my deep sense of gratitude to Dr.K N Ravi, HOD/EEE under whose guidance this Technical work has been undertaken and completed within the stipulated time. Also my heartfelt Congratulations to staff members and Students for their fruitful effort. With Best Wishes.

HOD'S MESSAGE

It gives me great pleasure to congratulate students, teachers and staff of electrical and electronics department for the publication of newsletter “EEE MAGAZINE”.

Newsletter is believed to be a focus of the inside activities i.e. academics, students' and faculty's achievement as well as innovation occurring in the department. In the era of engineering and technology this newsletter will motivate the teachers and



students of sharing their creativity and new ideas with the world and will help in their overall development. I am Pretty Sure That reading of this News Letter would be a pleasant one as it would serve as a verdant landscape of scientific, technical and article outpourings that support student and faculty for widening their research and knowledge for their expansion.

One day Technical Talk on “Engineering Ethics”

Technical talk was arranged on 19th August 2016 about Engineering Ethics by Dr. S.Seetharamu , Director ,CPRI,Bangalore in association with IEI students chapter of EEE department. The principal addresses the gathering during the inauguration of the technical talk.

While addressing the students Dr. Seetharamu gave the example of Mahama Gandhi for its simplicity and Ethics that he followed. He was also informed to the students about the Ethics to be followed in the profession. In the technical talk he has given a details description about the innovation and start up correlated to Ethics. Dr.Seetharamu motivated the students by going into the levels of Research Development and implementation which should go hand in hand with Ethics. The students were highly inspired by the talk and expressed their willingness to continue ethical ways along with Engineering practice. The function concluded with the vote of thanks by Dr.K.N.Ravi Head of the department EEE.

One day Technical Talk on “CAED Overview”

Asa part of enrich the students' knowledge in technical aspects a technical talk has been arranged by EEE department on 24th August 2016. The resource person was Prof.V.K. Keshavamurthy, Professor, Dr.AIT. The program was inaugurated by Dr.N.Srinivasan , Director, Sapthagiri College of Engineering. During the inauguration Dr.N. Srnivasan has mentioned the advantage about the technical talk.

Prof. V.K. Keshavamurthy gave a detailed insight to the usage of Auto CAD for Electrical drawing. He explained how certain specific parts of machines like commutator and poles can be drawn easily and shown the usage of AutoCAD for the same. Prof. V.K. Keshavamurthy gave a simple idea to draw the substation single line diagram and also winding diagram of Machines. He also explained the armature design of various machines and drew the same with AutoCAD.

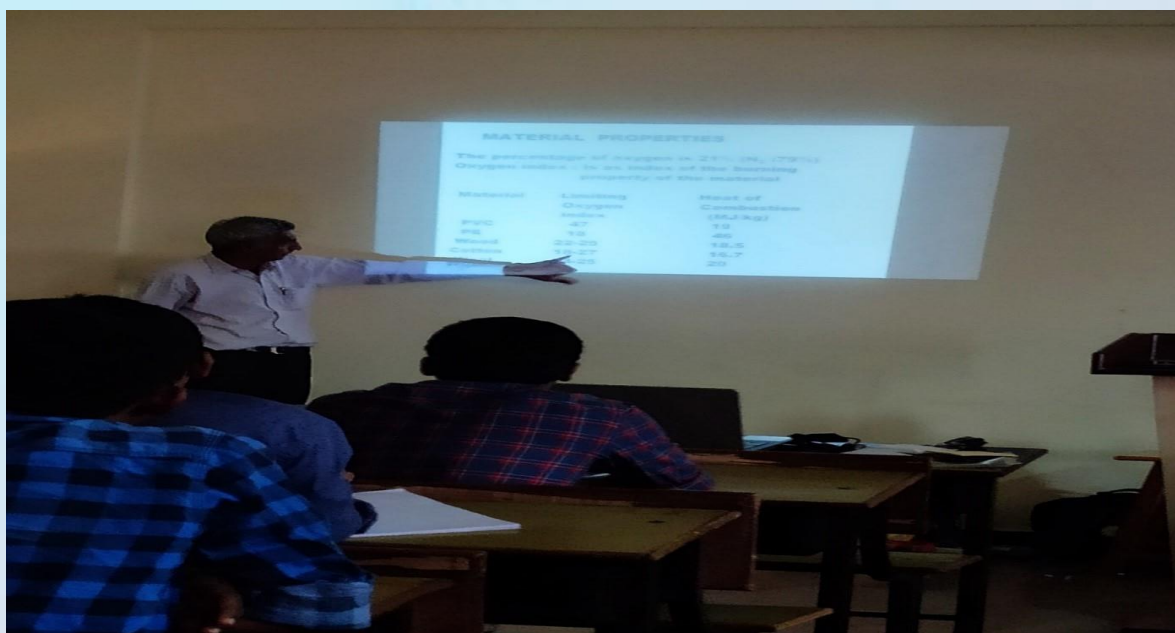
The program was really benefitted for students as well as faculty. Many of the students expressed their gratitude through feedback. The program was concluded with the vote of thanks by Dr. K.N. Ravi Head of EEE Department.

Workshop on “Testing of High Voltage Equipment”

Department of Electrical and Electronics Engineering has been organized a technical talk on Testing of High voltage equipment by Mr.M. Badrinarayan, Rtd.Joint Director, CPRI, Bangalore. The Principal SCE was inaugurated the program. In the inaugural speech the Principal was motivated the students about the importance of attending workshop.

Mr. Badrinarayan in his talk on testing of High voltage Equipment explained in detail why testing has to be carried out on electrical equipment. He also deliberated on various types of testing the electrical Equipment.

The program was really helpful for the students. It enriched the student knowledge in the area of high voltage. The program was concluded with Mrs. Ramya M Assistant Professor of EEE department.



Mr.M. Badrinarayan, Rtd.Joint Director -Resource Person.

STUDENTS PARTICIPATED.

USN	NAME	EVENTS	COLL EGE NAME	YEAR
1SG13EE005	AKSHAY PL	PHASE SHIFT 2016	BMSE	23rd SEPT 2016
1SG13EE059	SUBRAMANY A H S	PHASE SHIFT 2016	BMSE	23rd SEPT 2016
1SG14EE403	GIRISH N	PHASE SHIFT 2016	BMSE	23rd SEPT 2016
1SG13EE062	VIPIN RAJ	PHASE SHIFT 2016	BMSE	23rd SEPT 2016
1SG13EE047	SAMPATH KUMAR	PHASE SHIFT 2016	BMSE	23rd SEPT 2016

STUDENT PARTICIPATION

1. Sampath Kumar and Akshay P L students of EEE department has participated and Won First Place in Circuit Challenge at Tech. Symposium of BMS College of Engineering on 23 September 2016.

FACULTYS' PARTICIPATION

1. Mrs. Leela A M, Associate. Prof. EEE Dept. has presented a paper titled **“Simulation of ZnO block Characteristics Using Matlab”** held on 27th to 28th January 2017 at NCHVET-2017 in CPRI Bangalore.
2. Mr. Nagaraj H P, Associate. Prof. EEE Dept. has presented a paper titled **“Experimental study on surface erosion and brittle fracture of FRP rod in polymeric insulators”** held on 27th to 28th January 2017 at NCHVET-2017 in CPRI Bangalore
3. Mrs. Leela A M, Associate. Prof. EEE Dept. has presented a paper titled **“Study of high frequency characteristics of metal oxide surge arrester”** held on 27th to 28th January 2017 at INCOS-2017 in Kalasilingam university, Madurai.
4. Mrs. S.N.Rekha, Associate. Prof. EEE Dept. has presented a paper titled **“Open circuit fault diagnosis in the converter used in wind energy systems”** held on 27th to 28th January 2017 at INCOS-2017 in Kalasilingam university, Madurai.
5. Mrs. Ashwini A V, Assistant Prof. EEE Dept. has presented a paper titled **“Evaluation of aging of polymeric insulators by inclined plane test”** held on 27th to 28th January 2017 at INCOS-2017 in Kalasilingam university, Madurai.
6. Mr. A Dhamodaran, Assistant Prof. EEE Dept. has attended workshop titled **“Energy Analytics for Smart Cities”** held on 23&24 September 2016 Organized by IEEE PES Bangalore Chapter at IISc, Bangalore.
7. Dr. K N Ravi, Prof. & HOD has presented a journal paper titled **“Applicability of dimensional analysis for the prediction of pollution performance of insulators: an experimental study”** in IET (The institute of Engineering and Technology) published on 24th Jan 2017.

INVITED TALK GIVEN BY THE FACULTY

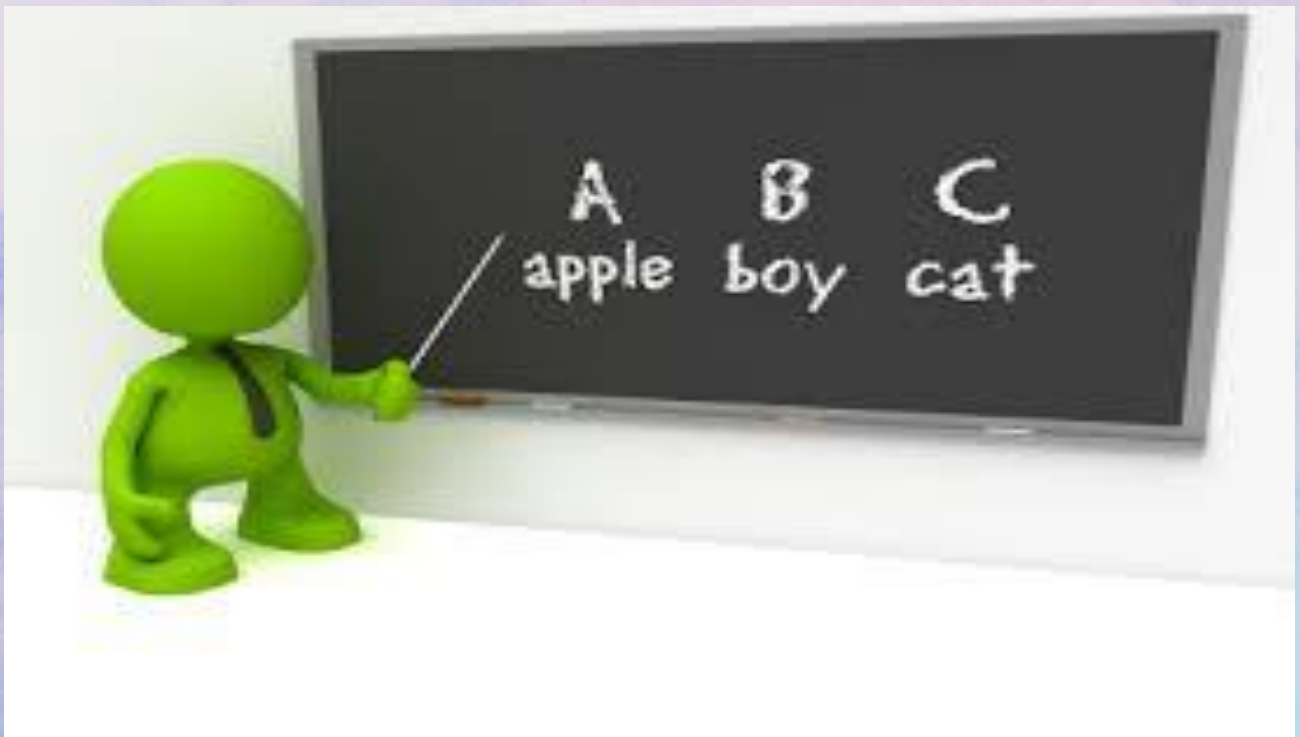
- Dr. K N Ravi, Prof. & HOD has given invite talk on titled “**Philosophy of High voltage testing**” at National power training institute (NPTI) ,Bangalore on 27th September 2016 .

STUDENTS' PLACEMENT

Name of the Student	USN	Name of the Company	Date
MEGHANA.K.L	1SG13EE032	Accord Software & Systems Pvt. Ltd	05/12/2016

STUDENTS' ARTICLE

Diary Written With Chalk



Friends, Is there anyone out there, who doesn't want to stay young? 'NO' Right?! All of us try hard to stay young or appear young. Once our age reaches THIRTY, we freeze ourselves at 29, similarly when we reach FORTY we try to use famous quote "LIFE STARTS @ 40!"

Today all of us definitely give importance to external outlook, either we try to look young by cosmetic cover or try our level best to keep-fit by working out in Gyms, Aerobics or Yoga centre. Our motto here is two folded: ONE –'to stay healthy' and SECOND- 'look young!'

But question is 'How can we stay Young at Heart and Mind?' Yes, aerobics and yoga will keep us young at heart too, but all of us can't become yoga or aerobics instructor. But do we have any other profession that helps you stay young at heart and mind? Yes, the profession is 'teaching', every profession has its merits demerits and teaching is no exception. But this profession handover to you a magic-wand that helps you to be with new generation kids throughout your career, these kids pour into your school or college campus with fresh thoughts and dreams every year bringing an element of freshness to the campus.

Friends, do you know the positive vibes of staying with these kids? First of all you get updated about the current trends in fashion, cinema, music and food styles. Whether you are frequent movie watcher or not, you are constant follower of trending mobile games or not?! No, problem college festivals are the right place to update your knowledge about gaming trends, Bollywood and Sandalwood flicks. More importantly positive vibes of these kids inspires even teachers to perform on stage along with these kids. On the lighter side many friends of mine from other profession struggle to increase FB or Twitter followers count, But Teachers can easily get these Friends. Also you can learn new methods of Malpractices in Exams that fresh batches innovate!

I have personally experienced @ SCE, faculty of Electrical Engineering, Prof. Rekha SN, who got inspired by energy and enthusiasm possessed by students to organize Martyr's Day in memory of our freedom fighters Bhagat Singh, Sukdev and Rajguru in our campus. The inspirational speeches our students delivered on the occasion were mind blowing.

Name Of the Student: Vipin Raj

USN : 1SG13EE062

Dept. Of EEE

That Moment:

When the date is set, the invites are sent, the decorators have set up tent, the only thing that's left for you is to take that big plunge. That moment arrives, when you are waiting for your beloved to make the grand entry, you're in jitters, you are anxious, but just then arrives the most beautiful woman you have ever set your eyes on.

At that very moment everything seems to fade away, the tears of joy swell up in your eyes, the happiness is overwhelming. That very moment is priceless. The tradition where the bride and groom are not supposed to see each other, has killed you from inside, but finally when you see your beloved, the feeling is hard to explain in words. It is the moment when you cannot hold back your tears, remembering the time you always dreamt about being together, getting married, staying with each other for eternity, its the moment when all your dreams come true.

Seeing this one person you love the most. You just want to hold her in your arms, realizing you are holding your world in your arms, the excitement cannot be held within you, it is the same feeling as when a kid gets a toy, the excitement of a mom when she perceives a child, the excitement of a father when he sees his child for the first time, but this very moment beats it all.

You know that she just takes your breath away, she is wrapped in that beautiful white gown walking slowly towards you like a princess, and you just help but wonder, of what good deeds landed you up with this beautiful princess. It is the magic spell that has constricted you, and you cannot take your eyes off of her. It is the moment when you go weak on your knees, looking at the one who is your strength, when the tears are just flowing, they refuse to stop. Looking at that sight which you will remember until you have taken your last breath and then you cherish it in your heart with all the love, it is that moment when all your prayers get answered in one instant. When you realize you're finally going to live your forever with the person you loved.

Name Of The Student: SAMPATH KUMAR

VII- Sem EEE

USN:1SG13EE047